

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OF PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

1. An isolated DNA molecule comprising the nucleotide sequence of SEQ ID NO:1.
2. An isolated DNA molecule comprising at least 24 contiguous nucleotides selected from nucleotides 1-1532 of SEQ ID NO:2
3. The isolated DNA molecule comprising a nucleotide sequence substantially homologous to nucleotides 1533-4700 of SEQ ID NO:2.
4. The isolated DNA molecule of claim 3 comprising a nucleotide sequence substantially homologous to that of nucleotides 1-4700 of SEQ ID NO:2.
5. The isolated DNA molecule of claim 3 comprising nucleotides 1533-4700 of SEQ ID NO:2.
6. The isolated DNA molecule of claim 4 comprising the nucleotide sequence of SEQ ID NO:2.
7. The isolated DNA molecule of claim 2 comprising a nucleotide sequence substantially homologous to that of 1-1532 of SEQ ID NO:2.
8. The isolated DNA molecule of claim 7, comprising the nucleotide sequence of nucleotides 1-1532 of SEQ ID NO:2.
9. An isolated DNA molecule of claim 3 comprising at least 32 contiguous nucleotides selected from nucleotides 412-1041 of SEQ ID NO:2.

10. An isolated DNA molecule of claim 9 comprising the nucleotide sequence of 412-1041 of SEQ ID NO:2.
11. An isolated DNA molecule of claim 3 comprising at least 23 contiguous nucleotides selected from nucleotides 1234-2263 of SEQ ID NO:2.
12. An isolated DNA molecule of claim 11 comprising the nucleotide sequence of 1234-2263 of SEQ ID NO:2.
13. An isolated DNA molecule of claim 3 comprising at least 22 contiguous nucleotides selected from nucleotides 2430-2691 of SEQ ID NO:2.
14. An isolated DNA molecule of claim 13 comprising the nucleotide sequence of 2430-2691 of SEQ ID NO:2.
15. A vector which comprises the DNA molecule of claim 1.
16. A vector which comprises the DNA molecule of claim 2.
17. A vector which comprises the DNA molecule of claim 3.
18. The vector of claim 16 which comprises a heterologous gene of interest under control of the DNA molecule.
19. A host cell capable of expressing the DNA molecule within the vector of claim 15.
20. A host cell capable of expressing the DNA molecule within the vector of claim 16.

21. A host cell capable of expressing the DNA molecule within the vector of claim 17.
22. A host cell capable of expressing the DNA molecule within the vector of claim 18.
23. A transgenic plant comprising the vector of claim 15.
24. A transgenic plant comprising the vector of claim 16.
25. A transgenic plant comprising the vector of claim 17.
26. A transgenic plant comprising the vector of claim 18.
27. A method for the production of soybean seed coat peroxidase in a host cell comprising:
 - i) transforming the host cell with a vector comprising an isolated DNA molecule selected from the group consisting of SEQ ID NO:1, and SEQ ID NO:2; and
 - ii) culturing the host cell under conditions to allow expression of the soybean seed coat peroxidase.
28. A process for producing a heterologous gene of interest comprising propagating a transformed plant with the vector of claim 16.
29. The process of claim 28 wherein the heterologous gene of interest is produced within seed coat cells.